

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Firm-Fixed-Price		Page 1 Of 20	
2. Amendment/Modification No. P00022		3. Effective Date 2007JUN04		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By U.S. ARMY TACOM LCMC AMSTA-AQ-ADEB NICOLE GRAM (586)574-7421 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL WEAPON SYSTEM: WPN SYS: 00 EMAIL: NICOLE.GRAM@US.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) DCMA NORTHERN EUROPE (UNITED KINGDOM) PCS 826, BOX 55 LOUDWATER UNITED KINGDOM FPO, AE 09420-0055 SCD B PAS NONE ADP PT HQ0339		Code SUK12A	
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) WFEL LTD HEATON CHAPEL STOCKPORT, GB UNITED KINGDOM SK4 50000 TYPE BUSINESS: Foreign Concern/Entity Code K7705 Facility Code				<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		9A. Amendment Of Solicitation No. 9B. Dated (See Item 11) 10A. Modification Of Contract/Order No. W56HZV-05-C-0026 10B. Dated (See Item 13) 2005FEB04	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) ACRN: AJ NET INCREASE: \$43,558.00							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS It Modifies The Contract/Order No. As Described In Item 14.							
KIND MOD CODE: G							
<input type="checkbox"/> A. This Change Order is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.							
<input type="checkbox"/> B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).							
<input checked="" type="checkbox"/> C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: Mutual Agreement of the Parties							
<input type="checkbox"/> D. Other (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SEE SECOND PAGE FOR DESCRIPTION Contract Expiration Date: 2011DEC31 Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) LAWRENCE R. ELLENA LARRY.ELLENA@US.ARMY.MIL (586)574-6952			
15B. Contractor/Offeror (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed 2007JUN04	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02 STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243			

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SECTION A - SUPPLEMENTAL INFORMATION
This Modification, P00022 to W56HZV-05-C-0026, incorporates changes to the Scope of Work for evaluating the performance of the Dry Support Bridge (DSB) Operation with Armor Kit and A/C Kit on Launch Vehicle:

1. This action is taken to add Section C.18 to the Contract for the evaluation of an Armor Kit and Air Conditioner on the Launch Vehicle
2. As a result of these changes the contract has increased \$43,558.00 from \$92,982,364.55 to \$93,025,922.55
3. The Contractor and the Government do mutually agree that this modification represents the agreement of the parties. The Contractor waives and claim, monetary or otherwise, as a result of this modification.
4. Except as specifically provided for in this modification, all other terms and conditions of Contract W56HZV-05-C0026 as previously modified remain unchanged and in full force and effect.

*** END OF NARRATIVE A0021 ***

Name of Offeror or Contractor: WFEL LTD

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
3002	SECURITY CLASS: Unclassified				
3002AA	SERVICES LINE ITEM				\$ 43,558.00
	NOUN: TST EVAL OF AIR COND & ARMOR PRON: P176K1222T PRON AMD: 01 ACRN: AJ AMS CD: 53152831125				
	Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination				
	Deliveries or Performance DLVR SCH PERFORM COMPL REL CD QUANTITY DATE 001 0 30-SEP-2009				
	\$ 43,558.00				

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 GENERAL DESCRIPTION

C.1.1 The Dry Support Bridge (DSB) shall be produced by the Contractor, as an independent contractor and not as an agent of the Government, in accordance with this scope of work and the ATPD-2282, DSB Detail Specification (Attachment 1). The DSB System consists of a bridge and launcher. The bridge will have enough components for one 40-meter bridge with an extra set of ramps providing the capability to build two, 20-meter bridges. The launcher, equipped with a launch mechanism, will be used to build or retrieve the bridge.

C.1.2 The National Stock Numbers (NSN) for identifying the Dry Support Bridge are as follows:

DSB System:	5420-01-469-7479
DSB Launcher Vehicle:	5420-01-469-7478
DSB Bridge:	5420-01-470-5823

C.2 SYSTEM/PROJECT MANAGEMENT

C.2.1 System Responsibility. The contractor shall have complete system responsibility, including the resolution of all interface problems related to the design, form, fit, function, integration and performance of the DSB specified herein, to include the PLS Truck Chassis. The contractor is encouraged to use commercial products, processes and practices.

C.2.2 Integrated Product Teams (IPTs). Integrated Product Teams (IPTs) shall be used throughout the production phase of this program. These IPTs shall include Government and subcontractor participation. The contractor shall be ultimately responsible for all decisions during contract performance. The Government shall not be liable for suggested solutions. The contractor shall apply the same IPT techniques used in the previous contract DAAE07-00-C-L032.

C.2.3 Meetings

C.2.3.1 Integrated Product Team (IPT) Reviews. The contractor shall prepare and present semi-annual IPT reviews. The focus of these reviews shall, as a minimum, be on the efforts of assigned IPTs in the areas of engineering, logistics/Logistics Management Information (LMI), quality assurance, safety, packaging, test progress, human factors, MANPRINT and production status.

C.2.3.2 Initial IPT. The Government and contractor shall attend an IPT meeting at the contractors facility within sixty (60) days after the date of contract award. The meeting shall include a discussion of the Scope of Work and Purchase Description pertaining to all functional areas. The meeting will also be a forum to finalize IPT assignments and membership.

C.2.4 Data. All data shall be in Microsoft office format or other mutually agreed format and submitted to the designated Contracting Officer.

C.3 Product Assurance.

C.3.1 Quality System Requirement: Higher -Level Contract Quality Requirement, reference Section E clause 52.246-4025.

C.3.2 Reserved

C.3.3 Product Quality Deficiency Reports (PQDR). Upon receipt of PQDRs on fielded units, the Contractor shall take the following actions:

- Verify the reported deficiency and begin an investigation.
- Request any necessary exhibits.
- Perform failure analysis and determine root cause.
- Determine extent of problem, severity, and long term impact.

C.3.3.1 Failure Analysis and Corrective Action Report (FACAR) per DID DI-RELI-81315 (Contract Data Requirement List (CDRL) A001), shall be submitted within 30 calendar days of receipt of a PQDR. If a final response is not ready for submittal, the Contractor shall submit an interim response detailing the status of the investigation. The response shall include actions taken, root cause, corrective action needed, and Contractor's position with respect to repairs or replacement parts.

C.3.4 Final Inspection Record (FIR). The Contractor shall continue to update the latest approved FIR of the previous contract to reflect all engineering or manufacturing changes that impact the FIR during the entire contract period. Each update shall be in accordance with CDRL A002 and require Government notification and review. The Contractor shall submit the completed FIR to the Government with each unit offered for acceptance.

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C.3.5 Quality Records. All records of inspections, examinations, certifications, tests, supplier audits, and purchase orders, shall be retained by the contractor for a period of 4 years after contract close out. These records shall be made available to the Government upon request.

C.3.6 Material Review Board (MRB). The Contractor shall establish a MRB, which is responsible for disposition of non-conforming material. In the event that the MRB determines non-conforming material can be repaired or used as is, the designated Government Representative shall be notified for review and approval.

C.3.7 Welding Procedures. The Contractor shall perform all welding required under this contract IAW with ATPD-2282 (or a commercial equivalent can be offered for review and approval):

(a) Qualification requirements for welders and weld inspectors.

(1) Welder qualification. Before (i) assigning any welder or welding operator to perform manual, semi-automatic or automatic welding work, or (ii) using any automatic welding equipment for work covered by this contract, the contractor shall ensure that his welding equipment has been certified, and that his welders or welding operators have passed qualification testing, as prescribed by the applicable qualification standard identified in paragraph (c) below.

(2) Weld Inspection. During performance of this contract, the Contractor shall verify weld quality and workmanship using qualified inspectors trained to perform these inspection functions. Acceptable qualification for inspectors may be based on the following:

- a. Current or previous certification as an American Welding Society (AWS) certified welding inspector; or
- b. Inspection performed by an engineer or technician who is competent in the use of weld inspection techniques and equipment, on the basis of (i) formal training or, (ii) experience, or both, in metals fabrication, inspection, and testing.

(b) Welder Qualification. The Contractor shall certify that the welder/welding equipment have passed qualification tests as prescribed by the following AWS Standards:

- (1) AWS D1.1 for Structural Steel
- (1) AWS D1.2 for Structural Aluminum
- (3) AWS D1.3 for Sheet Metal

(c) Workmanship Specimens. Prior to the start of production the Contractor shall validate welding procedures by preparing workmanship specimens. To reduce redundant fabrication of weld workmanship specimens may be grouped according to joint type, geometry, material thickness, position, type of process and strength, as approved by the designated COR. Fabrication of workmanship specimens shall be accomplished using the following:

- (1) The lower limits of the declared range of factors for those materials exceeding a thickness of 0.125 inches; and
- (2) The higher limits of the declared range for those materials equal to or less than a thickness of 0.125 inches.

If the contractors workmanship specimens disclose the need for any changes or corrections to welding procedures all required updates and revisions shall be made.

(d) If workmanship specimens have been previously qualified under another Government contract, the PCO may waive the requirements of paragraph (c) above. The written request for waiver shall be submitted, for approval, to the PCO, and the previous contract(s) shall be identified.

C.3.8 Treatment and Painting. The bridge portion of the DSB shall have a topcoat of Color Chip No. 34094 Green 383 of FED-STD-595. The DSB launcher (includes both launcher & transporter vehicle) requires a camouflaged pattern overcoat. The top coat previously mentioned will be used as a base and over-coated in accordance with the Government furnished camouflage patterns and top-coat colors conforming to MIL-C-53072.

C.4 Configuration Management

C.4.1 The configuration of the DSB shall conform to the First Article Test (FAT) approved DSB and all approved Engineering Change Proposals (ECPs) under contract DAAE07-00-C-L032 along with any incorporated engineering changes per C.4.3.2 of this contract.

C.4.2 The Contractor shall maintain the Configuration Management Plan for the DSB developed under contract DAAE07-00-C-L032. All Class I ECPs, and major and critical Requests for Deviation (RFDs), and Requests for Waiver (RFWs) shall be approved by the PCO prior to implementation by the Contractor. The ECPs, RFWs, and RFDs shall be prepared per the contractors configuration management plan and the following requirements under C.4.3.

C.4.3 Configuration Management, Baseline and Control

C.4.3.1 Product Configuration Identification (PCI). All drawings and associated documents used to produce the approved First Article and all approved Engineering Change Proposals (ECPs) under contract DAAE07-00-C-L032 shall constitute the approved PCI and be the baseline

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for future changes.

C.4.3.2 Engineering Changes.

C.4.3.2.1 All proposed changes to the DSB shall be reported to the Government. These include, but are not limited to design changes, component changes, changes in source of components, and changes that affect the contractor's drawing package for the DSB. The procedures for reporting changes shall be identified in the Configuration Management Plan. The procedures for Government notice and approval shall apply and be incorporated into the contractor's Configuration Management Plan.

C.4.3.2.2 Reserved

C.4.3.2.3 Following are the definitions for Class I and II ECPs.

Class I - A change that effects the following: performance, part interchangeability, cost, maintainability, reliability, integrated logistic support, or delivery schedule.

Class II - A change that impacts none of the Class I factors as specified above.

C.4.3.3 Class II Engineering Changes. Contractor Requested.

C.4.3.3.1 These changes shall be performed and submitted in accordance with CDRL A003 and as specified in the current Government Configuration Management Plan (GCMP) for the DSB System.

C.4.3.4 Class I Engineering Changes. Contractor Requested.

C.4.3.4.1 These changes shall be performed and submitted in accordance with CDRL A003 and as specified in the current Government Configuration Management Plan (GCMP) for the DSB System.

C.4.3.4.2 The contractor shall use the same process using in the previous contract and described in Appendix 6 of the DSB GCMP to prepare and submit Class I ECPs. The Government may require additional testing for the proposed change at no additional cost to the Government.

C.4.3.4.3 Approved change shall be incorporated by contract modification. In the event the change results in reduced cost to the Contractor, the change shall be the subject of an equitable reduction in the contract price. Any cost impact must be fully supported by the contractor, and the Government shall have the right to conduct post-change cost reviews.

C.4.3.4.4 Configuration changes under this contract shall not relieve the Contractor of the responsibility to conform to the delivery requirements of this contract.

C.4.3.5 Class I Engineering Changes. Government Directed.

C.4.3.5.1 In the event the Government desires a change to the DSB configuration, the PCO shall notify the Contractor through a request for technical and price proposal from the Contractor. It is understood that the engineering costs associated with ECP preparation are allowable and allocable to the ECP.

C.4.3.5.2 Copies of ECPs shall be submitted in the same manner as Contractor requested Class I Engineering Changes.

C.4.3.6 Value Engineering Change Proposals (VECPs). The Contractor shall prepare VECPs in the same manner as Class I ECPs.

C.4.3.7 The Contractor shall continue to assign the ECP number the same way used in the previous contract. The Contractor shall maintain records of where and when each ECP number was used.

C.4.3.8 Request for Deviation/Waiver (RFD/RFW)

C.4.3.8.1 Definitions:

DEVIATION: Is a temporary departure from requirements and does not constitute a change to the approved configuration. The authorized deviation is for a specific number of units or a specified period of time. Where it is determined that a change should be permanent, a Class I or Class II engineering change must be processed.

WAIVER: A written authorization to accept an item, which during manufacture, or after having been submitted for Government inspection or acceptance, is found to depart from specified requirements, but nevertheless is considered suitable for use "as is" or after repair by an approved method. The authorized waiver applies to a specific quantity or specified time that does not constitute a change to the configuration. Where it is determined that a change should be permanent, a Class I or Class II engineering change must be processed.

C.4.3.8.2 When deviations or waivers to ATPD-2282, or any other contract requirements are considered necessary by the contractor, an RFW or RFD shall be prepared and submitted in accordance with CDRL A004 and CDRL A005 respectively. The Government reserves the right to

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seek adequate consideration for approved RFD/RFWs. All major and critical Requests for Waiver/Deviation shall be annotated by the Contractor to reflect actual production effectivity point by DSB serial/registration number and dates, and then submitted to the PCO for approval. All RFWs or RFDs that are not considered major or critical shall be submitted to the COR for approval.

C.4.3.8.3 Contractual changes can only be made by the PCO.

C.5 Transportability

The contractor shall update the Transportability Report of the previous contract and deliver it IAW CDRL A006 if transportability characteristics of the DSB change.

C.6 Reserved

C.7 Training

C.7.1 Training Requirements. The Contractor shall provide technically qualified instructors, training and instructional material related to training courses for Government identified personnel on Operation and Maintenance for the DSB.

C.7.2 Training Plan Outline and Training Material Deliverables

C.7.2.1 Training Plan Outline. The Contractor shall update the approved training plan used in the previous contract and provide it to Government for review and approval. Once the updated training plan is approved, it will be used for the entire contract period.

C.7.2.2 Instructor Guides. The Contractor shall prepare and deliver an Instructor Guide (IG) for both the Operator (OP) course and the maintenance (OP/Field) course (Reference DID DI-SESS-81523B and CDRL A007).

C.7.2.3 Student Guides. C.7.2.3 Student Guides: The Contractor shall prepare and deliver a Student Guide (SG) for both the Operator (OP) course and the maintenance (OP/Field) course (Reference DID DI-SESS-81523B and CDRL A007). Any ancillary training material used, i.e.: charts, diagrams, schematics, worksheets, etc. shall be included as part of the SG. The contractor shall use the same DSB model from Contract DAAE07-00-C-L032 as a training tool for all OP courses.

In addition, the contractor shall provide a hard copy of Operator Manual (TM 5-5420-279-10) per student for Operator training and a hard copy of Maintenance Manual (TM 5-5420-279-23) and RPSTL (TM 5-5420-279-23P) per student for Maintenance training to the unit 30 days prior to each NET. (Reference A011)

C.7.3 Training Classes. The Contractor shall conduct training in accordance with the training plan. Class size for Operator training shall not exceed sixteen (16) students. The class size for maintenance training shall not exceed twelve (12) students. *

C.7.3.1 Training Support Package (TSP). The Contractor shall prepare and deliver a TSP for both the Operator (OP) course and the maintenance (OP/Field) course (Reference DID DI-SESS-81523B and CDRL A007). The TSP will include as a minimum, program of instruction, lesson plans, multimedia presentation, diagnostics necessary to permit the unit to develop and conduct effective and efficient training upon completion of New Equipment Training. The Contractor shall leave the documentation at the training site after completion of New Equipment Training. *

C.7.4 Interactive Computer Based Training (ICBT). The Contractor shall update the ICBT package for the DSB to correct some errors and to make sure it will operate under the latest Microsoft windows platform. The updated ICBT package shall be delivered in accordance with CDRL A008. The following is the Government review schedule of each ICBT component and Beta version of the whole package. The contractor shall make these components and the Beta version ready for review accordingly. *

Crane Operation:	27 Oct - 10 Nov 05
Crane Hydraulic:	19 Nov - 3 Dec 05
Launcher Hydraulic	15 Dec - 3 Jan 06
Launcher Operation:	8 Jan - 22 Jan 06
Preventative Maintenance:	2 Feb - 16 Feb 06
Safety:	20 Mar - 30 Mar 06
Beta Review:	3 Apr - 17 Apr 06

C.7.5 NET Training Options. The individual class costs for both Operator and Maintenance NET are found in paragraph B.3. The Government reserves the right to call-up four (4) each Operator courses per year; and two (2) each Maintenance courses per year at the site location for each fielding.

C.7.5.1 Operational NET Training. Each Operator course shall consist of two (2) teams of eight (8) (total of 16 students) over an 80-hour period. Both crews of 8 students shall be trained to build and retrieve the bridge safely.

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C.7.5.2 Maintenance NET Training. Each Maintenance course shall consist of twelve (12) students over an 80-hour period to safely conduct individual station training.

C.7.6 Contractor Technical Assistance. Contractor technical assistance will be provided by the use of Field Service Representative (s) who shall advise and make recommendations to orient and instruct Government identified personnel with respect to operation, inspection, maintenance, repair, engineering support, de-processing support and contractor parts support. Such representatives shall be thoroughly experienced and qualified to perform the technical assistance required. It shall require an FSR per each fielding for de-processing and NET. It also may require an additional FSR for certain days but not to exceed a 90 day limit. *

C.8 LOGISTICS SUPPORT

C.8.1 Integrated Logistics Support (ILS) Program. The contractor shall have an ILS Program as an integral part of the overall Dry Support Bridge (DSB) System.

C.8.1.1 ILS Objectives. The contractors ILS program objectives are:

- (1) To identify and implement design improvements to improve safety of the system operators and maintainers, improve ease of maintenance, and increase reliability.
- (2) To analyze the system design and create the most cost efficient logistics support package and maintenance plan.
- (3) To accurately identify and document all the logistics support resources required to operate and maintain the system.
- (4) To update the Logistics Support Package, to incorporate engineering changes, to include updated vendor information, and correct errors.
- (5) To create and deliver Logistics Support Products to support test and fielding.

C.8.1.2 DSB Operation and Support (O&S) Cost Reduction Strategy. The Contractor shall establish an O&S cost baseline for the 20 year expected life of the DSB if there is any major hardware change introduced to the system such as composite launch beam section, etc. This cost baseline shall consider initial hardware cost and projected costs for initial fielding, initial training, follow-on training, repair parts, maintenance labor costs for scheduled and unscheduled maintenance. The contractor shall present the cost baseline and their anticipated methodology for identifying O&S Cost reduction targets at a DSB IPT for IPT review and approval.

C.8.1.2.1 At the following DSB IPT the contractor shall present his O&S Cost reduction strategy using the methodology presented in the previous IPT. Following that presentation and at subsequent IPTs the contractor shall provide an analysis of proposed changes to the hardware and/or the maintenance plan that will improve (reduce) the DSBs life cycle cost. The presentation of these changes shall include both a rough order of magnitude estimate of the cost of implementing these changes and the expected savings.

C.8.1.2.2 Proposed changes to improve the DSB O&S Cost may be generated by any and all members of the DSB IPT. The contractor shall make an independent evaluation of his own design and maintenance plan and propose changes. Targets of opportunity the contractor may consider are the scheduled maintenance program (PMCS), Reliability of essential parts and components, Maintainability characteristics of the design, repair versus discard decisions on components and sourcing and stockage policies on repair/spare parts and other costs related to the contractors parts support program.

C.8.2 Maintenance Planning. The Army is transitioning its maintenance structure from the current four-level system of Unit, Direct Support (DS), General Support (GS) and Depot Support to a two-level system of maintenance. Unit and DS Maintenance tasks combine to form Field Maintenance, also referred to as on-system. GS and Depot Maintenance tasks combine to form Sustainment Maintenance or off-system. The Government plan for maintaining the DSB requires establishing the capability to perform all Field and Sustainment Maintenance within the Organic Army units. The contractor will perform maintenance beyond these two levels of support. See paragraph C.10. The contractor shall be responsible for developing a recommended allocation of DSB maintenance tasks within the Army maintenance structure, subject to Government approval.

C.8.3 Reserved.

C.8.4 Reserved.

C.8.5 Reserved.

C.8.6 Provisioning Program. The provisioning effort for this contract is for the purpose of updating the existing files to incorporate all ECPs, and VECs for the duration of this contract.

C.8.6.1 Provisioning Objectives: The contractor shall maintain and update the existing database developed under contract DAAE07-00-C-L032 to provide the Government with data IAW Exhibit C, Logistics Management Information (LMI) Data Product Delivery. The contractor may use a commercial LSAR system based on MIL-STD 1388-2A in place of an LMI system based on MIL-STD 1388-2B.

C.8.6.2 Provisioning Contract Control Number (PCCN): The PCCN for the DSB is CHDSBS with a Provisioning Control Code (PCC)/Use On Code (UOC) of HSL for the Launcher, HSB for the Bridge and HSS for the DSB System.

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C.8.6.3 Reserved.

C.8.6.4 Provisioning Data Quality Assurance: Acceptance of provisioning data delivered under the provisions of this contract will be based upon the guidance contained in the Quality Assurance Provisioning Guidance Book (QAPG).

C.8.6.5 Logistics Management Information (LMI) Data Products/Provisioning Parts List (PPL). (DI-ALSS-81529 CDRL A009) The Provisioning Parts List shall be compliant with the requirements of MIL-STD 1388-2A, in the form of a LSA 036 report. *

C.8.6.5.1 The Contractor shall maintain provisioning data for the DSB using PCCN CHDSBS in the Provisioning Master Record (PMR). The Contractor shall add or change data to include the most recent production configuration and parts information changes. The contractor shall use the on-line feature to create and update the PMR for DSB system. The government will provide passwords and instruction for use of this feature. Contractor submissions shall be made once a month until the system is complete. The data will go into a suspense file, to be executed by the government. The data will not be considered accepted until it has passed all manual and computer edits for the system, and the active PMR has been successfully updated. The contractor shall notify the government within 24 hours of each PMR update and provide a list of PLISNs submitted, sorted by PLISNs, via email to the government representative specified. Within 7 days of each PMR update, the contractor shall submit a Cross Reference List of old part numbers to new part numbers to the government via email. All provisioning documentation, called LMI Data Products, shall be delivered in accordance with CDRL A009. *

C.8.6.5.2 The contractor shall provide drawing support for each individual part or tool sufficient to support the Government's cataloguing effort. *

C.8.6.5.3 Logistic Management Information Summaries/Pre-Procurement Screening (DI-ALSS-81530, CDRL A010), the Contractor shall conduct pre-procurement screening for all items to be provisioned. Drawings are not required for items accompanied by a copy of pre-procurement screening which indicates the item has a valid National Stock Number (NSN). *

C.8.6.5.4 The Contractor shall provide the following at each provisioning review/conference: *

- (1) Two hard copies of the LMI Data Product. LSA-036 Summary (PPL) format is acceptable.
- (2) One drawing for each part listed on the LMI Data Product Report that does not have an NSN.
- (3) A copy of the Pre-Procurement screening results.
- (4) A copy of each installation or assembly drawing within which the part appears.

C.8.6.5.5 The Contractor shall ensure that all submitted LMI Data Products are compatible with our (TACOM) Commodity Command Standard System (CCSS). The data shall be capable of being loaded into our (TACOM) PMR without any modification to the data. As necessary, we will discuss the various methods for delivering provisioning data. *

C.8.6.5.6 The contractor shall correct rejects within 30 days after Government notification of the noted problems. *

C.8.6.5.7 Reserved. *

C.8.6.6 Logistics Management Information Products/Supplementary Provisioning Technical Documentation (SPTD)/Drawings (DI-ALSS-81529 CDRL A009). For guidance see Engineering Data for Provisioning DI-ILSS-81289. The contractor shall have available at each provisioning review one hard copy SPTD/drawing for each item on the PPL for our review.

- (1) The drawings shall be in PLISN sequence.
- (2) After we approve each drawing as being suitable for NSN assignment, the drawings shall be submitted on a CD in Adobe Acrobat PDF file, or some other format that we agree on. They shall be delivered with each increment of the PPL.
- (3) Text on all drawings shall be in the English language.
- (4) The contractor shall have all approved vendor Commercial and Government Entity (CAGE) code typed, stamped, or written legibly with an authorized signature and date on all drawings.
- (5) Substitutes for drawings, such as commercial catalogs or catalog descriptions, sketches or photographs with brief descriptions or dimensions, material, mechanical, electrical or other descriptive characteristics will be permitted on a case by case basis.

Please see Exhibit C which shows the Minimum Provisioning Data Requirements Data Record H and H1.

C.9 Technical Manuals. The purpose of this Technical Manual effort is to maintain and update the existing manuals developed under contract DAAE07-00-C-L032 to incorporate all design/logistic changes occurring throughout the duration of this contract.

C.9.1 The Contractor shall maintain the following Technical Manuals to support the Dry Support Bridge:

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- A) TM 5-5420-279-10 \ 'af Operators Manual
- B) TM 5-5420-279-23 \ 'af Maintenance Manual
- C) TM 5-5420-279-23P \ 'af Parts Manual

C.9.2 Reserved.

C.9.3 A maintenance task or operators procedure shall contain:

- a. References to any other manuals or publications required to perform the task or procedure
- b. A reference to the appropriate illustration in the parts manual;
- c. Equipment preconditions
- d. Illustrations as needed to support the task or procedure being performed

C.9.4 Any changes to the contractor's Parts Manual shall illustrate and provide a tabular listing of all assemblies, subassemblies, components and individual repair parts of the DSB. The tabular listing or the parts manual shall include Figure number, item number, Nomenclature, SMR Code, part number, CAGE Code, NSN, quantity per application and in the case of common hardware, size information.

C.9.5 (Reserved)

C.9.6 TM Change Scope of Work to the Technical Manual

C.9.6.1 The contractor shall continue to plan and manage a DSB ILS program, developing and delivering a change package to the existing DSB logistics products (Technical Manuals, Parts Provisioning Data and Training Package). *

- A. Changes to update logistics products to the current DSB Production Configuration baseline (Configuration Lock at the end of previous contract, DAAE07-00-C-L032).
- B. Changes due to Block upgrades by ECPs or safety modifications.

C.9.6.2 The Contractor and Government will meet annually to review ECPs and any 2028s collected by Government. The Contractor shall maintain an ECP change list. *

C.9.6.3 Reserved *

C.9.6.4 Reserved *

C.9.6.5 The contractor shall update the existing DSB manuals to the configuration change. In preparing these Technical manual changes the contractor may employ MIL STD 40051A and MIL Handbook 1221 as guidance. At the conclusion of the TM update effort the contractor shall hyperlink DSB technical manual elements.

C.9.6.5.1 The contractor shall generate a change to the DSB Operators Manual (-10), the Maintenance Manual (-23), and the RPSTL (-23P) to:

- A. Document the configuration change and deliver a list of proposed changes to the manuals for approval
- B. Update appendices to cover Components of the End Item (COEI), Basic Issue Items (BII), Government furnished Additional Authorized Items List (AAL) and Expendable/ Durable items List
- C. Update the MAC
- D. Nomenclature in -10 should match -23.

C.9.6.5.2 Reserved

C.9.6.5.3 Reserved

C.9.6.5.4 Contractor will deliver a list of proposed TM changes no later than the date which is to be determined by the IPT. *

C.9.6.5.5 The Contractor shall deliver two (2) paper copies and a .pdf file of each of the changed DSB manuals (-10, -23 and -23P).

C.9.6.6 The contractor shall generate a change to the existing DSB training package (less the Computerized ICBT) to document the configuration change. The contractor shall deliver a draft Program of Instructions (POI) 14 days prior to the start of TM validation/verification and the final changed training materials for review 14 days after the completion of the TM validation/verification. The contractor shall incorporate comments made to the changes and deliver final materials 14 days after the review.

C.9.6.7 During the course of this effort, the contractor shall employ a tracking system to record potential future changes to the logistics products (changes beyond the March 2003 configuration). These changes may include design changes, test recommendations, improvements as a result of field inquiries, identification of shortfalls or errors in the current product. This tracking system will be used to define and schedule the next DSB Logistics change package.

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C.9.6.8 Reserved

C.9.7 TM Validation/Verification.

C.9.7.1 The contractor shall be responsible to validate all the changes contained in each of the DSB Technical Manuals. The contractors validation process will ensure that all data provided is accurate, complete and facilitates the most efficient performance possible on each maintenance task. The Government will verify the manuals concurrently by observing and participating in the validation process. The Government will identify TM information that shall receive hands on validation/verification prior to the beginning of the Verification.

C.9.8 Technical Manual Delivery: The contractor shall deliver a reproducible camera-ready copy and two sets (each on their own CD-ROMs) of electronic .pdf files of all changes to the manuals as specified in CDRL A011. The .pdf delivery shall be identical to the camera-ready hard copy. The camera-ready deliveries will be used for official government printing and copies will be provided to the contractor. The contractor shall overpack one set of these DSB Bridge manuals with each DSB for fielding purposes.

C.10 Contractor Life Cycle Parts Support.

C.10.1 Contractor Parts Identification: The contractor shall identify all potential repair and replacement parts of the DSB using Microsoft Office compatible spreadsheet format. The contractor shall include the following data elements in this spreadsheet; Part Nomenclature, Part Number, Contractor and Government Entity (CAGE) Code, Known Sources, Maintenance and Recoverability Code (SMR) based on his Maintenance Manual, and Proposed price of the part. In developing the price the contractor shall consider optimizing competition. The price shall include the base price of the part, packaging, marking and shipping the part. The contractor shall continue to update this Parts Price List on a semiannual basis throughout the life of this contract in accordance with CDRL A012 *

C.10.2. The Contractor and the Government will negotiate a separate contract agreement for parts support of the DSB utilizing contractor direct delivery to the user. The goal of the Government is to employ Contractor parts support throughout the service life of the DSB, a minimum of 20 years.

C.11 Warranty: The contractor shall warrant that the supplies and services are free from defects in material and workmanship, and conform to the specifications and other requirements of this contract within one year from the date of unit hand-off. The contract provisions for this warranty can be found in section H.

C.12 System Safety.

C.12.1 Safety Engineering. The contractor shall consider and implement safety engineering principles in the system design. System design and operational procedures developed by the contractor shall consider but not be limited to the following:

- a) Identifying hazards associated with the system by conducting safety analyses and hazard evaluations. Analysis shall include both operational and maintenance aspects of the vehicle along with potential interface problems with planned subsystems.
- b) Eliminating or reducing significant hazards by appropriate design or material selection.
- c) Controlling or minimizing hazards to personnel, this cannot be avoided or eliminated.
- d) Locating equipment components and controls so that access to them by personnel during operation, maintenance or adjustments shall not require exposure to hazards such as high temperature, chemical burns, electrical shock, cutting edges, sharp points, or concentrations of toxic fumes above established threshold limit values. All moving parts, mechanical power transmission devices, exhaust system components, pneumatic components and hydraulic components which are of such a nature or so located as to be a hazard to operating or maintenance personnel; shall be either enclosed or guarded. Protective devices shall not impair operational functions.
- e) Assuring that suitable warning and caution notes are included in instructions for operation, maintenance, assembly and repairs and distinct markings placed on hazardous components of equipment.
- f) Insuring that safety is considered for both operational and maintenance phases of the system.

C.12.1.1 System Safety Program. To assure the safety objectives are achieved, the contractor shall maintain the System Safety Program that was developed in the prototype phase of the program.

C.12.1.2 Hazard Identification

C.12.1.2.1 The contractor shall provide information concerning newly identified hazards that have resulted either from hardware redesign or a reevaluation of the configuration that had undergone Government testing. These new hazards will be considered for inclusion into the Government Hazard Tracking System. As a minimum, the following information should be provided for each hazard:

- a. Description of each hazard, to include cause, possible effect, hazard category
- b. Status of each hazard
- c. Proposed corrective action

C.12.1.2.2 The hazard information will be addressed at Integrated Product Team Meetings and included in the Safety Assessment and Health

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Hazard Assessment Reports as appropriate.

C.12.1.3 Reserved.

C.12.1.4 Reserved.

C.12.1.5 Safety Assessment Report (SAR).

C.12.1.5.1 The contractor shall update the Safety Assessment Report of the previous contract if there are any hardware changes due to ECPs/VECPs which impact the safety of the DSB system.

C.12.2. Radioactive Material. Radioactive material will not be utilized in the equipment supplied to the Government under this contract.

C.12.3. Health Hazard Assessment (HHA). The contractor shall update the Health Hazard Assessment Report for the DSB if there are any changes due to ECPs/VECPs which impact the health hazard of the DSB system.

C.13 Manpower and Personnel Integration (MANPRINT).

The contractor shall continue to maintain and execute a MANPRINT program to ensure the integration of the seven (7) MANPRINT domains, i.e. manpower, personnel, training, human factors engineering, system safety, health hazards, and soldier survivability in the design and design modification process. The MANPRINT program shall be planned and managed in such a manner that it will facilitate the greatest MANPRINT design influence to achieve total system (soldier and machine) performance. MANPRINT related design changes, accomplishments, and crew performance validations shall be addressed at appropriate IPT meetings.

C.13.1 Manpower and Personnel. The contractor shall perform manpower and personnel analyses as a part of the design modification effort to determine implication of design change on the crew and maintainer workload. A required characteristic is to maintain crew and maintainer Military Occupational Specialty (MOS) skills and capabilities at or below those required by the target audience.

C.13.2 Training. The contractor shall evaluate impact of design modification on training requirement for the crew and maintainer. Any additional training requirement shall be addressed at appropriate IPT meetings and shall be included in the training plan.

C.13.3 Human Factors Engineering (HFE). Any modification made to the DSB system shall be made in accordance with ATPD-2282 assuring that the soldier-machine interface (SMI) is not compromised for effective operation and maintenance by full range of user personnel (5th percentile female through 95th percentile male) while they are wearing the full range of protective clothing (including arctic and Mission Oriented Protective Posture (MOPP IV). The contractor shall identify critical human performance issues associated with the SMI and addressed them during appropriate IPTs.

C.13.4 Soldier Survivability (SSV). The contractor shall evaluate any design change made to the DSB design for impact on the Soldier Survivability. Any issues or concerns related to the SSV shall be discussed during appropriate IPTs.

C.14 Logistics Scope of Work for Class I ECP.

C.14.1 The contractor shall perform a Failure Modes, Effects and Criticality Analysis (FMECA) on all Class 1 ECPs pertaining to hardware. The results of the FMECA must support development of DSB maintenance task frequencies, maintenance man-hour projections and maintenance parts consumption projections.

C.14.2 The contractor shall calculate the projected DSB reliability/availability based on the numbers developed in the FMECA.

C.14.3 The Contractor shall present the results of the FMECA and the resulting task list evaluation to the Government at an IPT, location TBD, prior to making block upgrades to the production configuration.

C.15.1 Contractor Field Service Representative(s)

C.15.1.1 The contractor shall provide one (1) Field Service Representatives to each unit receiving Dry Support Bridges at Continental United States (CONUS) and Outside Continental United States (OCONUS) locations as required. The Contracting Officer or his representative will provide exact locations to the contractor under separate letter. The contractor is responsible for providing all clothing, equipment (tools, and special tools), lodging and transportation required for performance of repair, training and special needs of the units to support the Dry Support Bridge for a period of up to one year from date of incorporation in to the contract. The contractor may be required to provide Field Service Representative(s) in support of operations described below. The contractor can refer to AMC-P 715-18 entitled AMC Contracts and Contractors Supporting Military Operations for further explanation. The Government at the discretion of the Contracting Officer or his representative may decide to provide some items of support as detailed below at the direction of the Theatre Commander or his representative.

C.15.1.2 The DSB is employed in a support role and expected to be behind combat units. The contractor will be required to perform maintenance tasks either directly at a bridge site (again, to the rear of combat units in direct combat operations) or even farther to

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the rear in maintenance collection points and semi-fixed/fixed sites. The contractor will be required to be well behind the forward line of troops or combat units (near the rear of the Division) and would not be in direct contact with ground/air assaults and those combat units engaging in the actual fight. The contractor may perform their support services as far forward as needed, on a temporary basis, consistent with the terms of the contract and the tactical situation. If contractor personnel are requested to move forward closer to the front-line combat units, they will have the right to refuse or decline to move forward.

C.15.1.3 In the event that the contractor deploys individuals into the area of operations in support of a contingency or exercise, the following items and conditions will apply:

C.15.2 Management

C.15.2.1 The contractor shall ensure that all contractor employees will comply with all guidance, instructions, and general orders applicable to U.S. Armed Forces and DOD civilians and issued by the Theater Commander or his representative. This will include any and all guidance and instructions issued based upon the need to ensure mission accomplishment, force protection and safety.

C.15.2.2 The contractor shall comply, and shall ensure that all deployed employees and agents comply, with pertinent Department of Army and Department of Defense directives, policies, and procedures, as well as federal statutes, judicial interpretations and international agreements (e.g., Status of Forces Agreements, Host Nation Support Agreements, etc.) applicable to U.S. Armed Forces or U.S. citizens in the area of operations. Disputes will be resolved by the Contracting Officer.

C.15.2.2 The contractor shall take reasonable steps to ensure the good conduct of its employees. The contractor shall promptly resolve, to the satisfaction of the Contracting Officer, all contractor employee performance and conduct problems identified by the cognizant Contracting Officer or his designated representative.

C.15.2.3 The Contracting Officer may direct the contractor, at the contractors expense, to remove or replace any contractor employee failing to adhere to instructions and general orders issued by the Theater Commander or his designated representative.

C.15.2.4 Accounting for Personnel

C.15.2.4.1 As directed by the Contracting Officer or his representative, the contractor shall report its employees entering and leaving the area of operations.

C.15.2.4.2 As directed by the Contracting Officer or his representative, the contractor shall report its employees in the area of operations by name and by location.

C.15.3 Logistics Support Element

C.15.3.1 The contractor shall place all employees deploying to support this contract under administrative control of the designated Logistics Support Element.

C.15.3.2 The Contracting Officer or his representative (in coordination with the Logistics Support Element Commander) shall provide the contractor with all required reporting instructions and procedures.

C.15.4 Risk Assessment and Mitigation

C.15.4.1 The contractor will brief its employees regarding the potential danger, stress, physical hardships and field living conditions.

C.15.4.2 The contractor will require all its employees to acknowledge in writing that they understand the danger, stress, physical hardships and field living conditions that are possible if the employee deploys in support of military operations.

C.15.4.3 The contractor will conduct physical and medical evaluations of all its deployable employees at their own expense to ensure that they are capable of enduring the rigors of deployment in support of a military operation.

C.15.4.4 The contractor will replace employees within 72 hours, or as directed by the Contracting Officer, at contractor expense, if the employee departs an area of operations without written permission from the Contracting Officer.

C.15.4.5 The contractor will designate a point of contact for all of its plans and operations.

C.15.4.6 The contractor will establish an operations center to plan and control contractor deployment process and resolve operational issues with the deployed force.

C.15.4.7 The contractor will prepare plans for support of military operations as required by contract or as directed by the Contracting Officer.

C.15.4.8 For badging and access purposes, the contractor will provide the Army with a list of suitable or qualified subcontractors

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including local vendors in an area of operations.

C.15.4.9 As required by the operational situation, the Government will relocate contractor personnel (who are citizens of the United States, aliens resident in the United States or third country nationals, not resident in the host nation) to a safe area or evacuate them from the area of operations.

C.15.5 Reserved

C.15.6 Force Protection

The Army will provide force protection to contractor employees commensurate with that given to Department of the Army civilians.

C.15.7 Legal Assistance

While contractor employees are processing for deployment at the CONUS Replacement Center (CRC) or deployed in the theater of operations, the Government shall provide legal assistance in accordance with the following conditions:

- a. The legal assistance is in accordance with applicable international or host nation agreements.
- b. The legal assistance is limited and ministerial in nature (for example, witnessing signatures on documents and providing notary services), legal counseling (to include review and discussion of legal correspondence and documents), and legal document preparation (limited to powers of attorney and advanced medical directives), and help retaining non-DoD civilian attorneys.

C.15.8 Central Processing and Departure Point

C.15.8.1 For any contractor employee determined by the Government at the deployment processing site to be non-deployable for any reason, the contractor shall promptly remedy the problem. If the problem cannot be remedied in time for deployment, a replacement having equivalent qualifications and skills shall be provided in time for a scheduled deployment.

C.15.8.2 The Contracting Officer shall identify to the contractor all required mission training and the location of the required training.

C.15.8.3 The contractor shall ensure that all deploying employees receive all required mission training and successfully complete the training.

C.15.8.4 The Contracting Officer shall inform the contractor of all Nuclear, Biological, and Chemical (NBC) equipment and Chemical Defensive Equipment (CDE) training requirements and standards.

C.15.8.5 The Government shall provide the contractor employees with CDE familiarization training commensurate with the training provided to Department of Defense civilian employees.

C.15.8.6 The contractor will provide chemical defense equipment and training for dependents, who accompany its employees to Korea and other areas of operations as designated by the Contracting Officer.

C.15.9 Standard Identification Cards

C.15.9.1 The Contracting Officer shall identify to the contractor all identification cards and tags required for deployment.

C.15.9.2 The Contracting Officer shall inform the contractor where the identification cards and tags are to be issued.

C.15.9.3 The Contracting Officer shall coordinate for issuance of required identification cards and tags for all contractor employees not processing through a CONUS Replacement Center.

C.15.9.4 The contractor shall ensure that all deploying individuals have the required identification tags and cards prior to deployment.

C.15.9.5 Upon redeployment, the contractor will ensure that all issued controlled identification cards and tags are returned to the Government.

C.15.10 Medical

C.15.10.1 The Contracting Officer shall provide the contractor with all physical and medical requirements and standards necessary for deployment.

C.15.10.2 The contractor shall be responsible for providing employees who meet the physical standards and medical requirements for job performance in the designated theater of operations.

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C.15.10.3 The Government may require medical screening at the CONUS Replacement Center to include DNA sampling and immunizations.

C.15.10.4 For any contractor employee determined by the Government to be non-deployable, the contractor shall promptly remedy the problem. If the problem can not be remedied, a replacement having equivalent qualifications and skills shall be provided as determined by the Contracting Officer.

C.15.10.5 When applicable, the Government shall provide to contractor employees deployed in the theater of operations, on a cost reimbursable basis, emergency medical and dental care commensurate with the care provided to Department of Defense civilian deployed in the theater of operations.

C.15.11 Clothing and Equipment Issue

C.15.11.1 The contractor shall ensure that contractor employees possess the necessary personal clothing and safety equipment to execute contract performance in the theater of operations in accordance with the statement of work.

C.15.11.2 The Government shall provide to the contractor all required military unique organizational clothing and individual equipment. (Types of organizational clothing and individual equipment may include Nuclear, Biological, and Chemical defensive equipment.)

C.15.11.3 The Contracting Officer shall identify to the contractor the organizational clothing and individual equipment issue point and issue items.

C.15.11.4 Upon receipt of organizational clothing and individual equipment, the contractor shall assume responsibility and accountability for these items.

C.15.11.5 The contractor or contractor employee shall sign for all issued organizational clothing and individual equipment, thus, acknowledging receipt and acceptance of responsibility for the proper maintenance and accountability of issued organizational clothing and individual equipment.

C.15.11.6 The contractor shall ensure that all issued organizational clothing and individual equipment is returned to the Government. Upon return of organizational clothing and individual equipment to the Government, the contractor shall be responsible for requesting, maintaining, and providing to the Contracting Officer documentation demonstrating the return of issued organizational clothing and individual equipment to Government control.

C.15.11.7 The Contracting Officer will require the contractor to reimburse the Government for organizational clothing and individual equipment lost or damaged due to contractor negligence.

C.15.12 Weapons and Training

C.15.12.1 The Government may choose to issue weapons for self-defense to the contractor employees. Acceptance of weapons by contractor employees is at the discretion of the contractor and the contractor employees. When accepted, the contractor employee is responsible for using the weapon in accordance with the rules of engagement issued by the Theater Commander. The contractor employee is legally liable for any use that is not in accordance with the rules of engagement. Also when accepted, only military issued ammunition may be used in the weapon.

C.15.12.2 Prior to issuing any weapons to contractor employees, the Government shall provide the contractor employees with weapons familiarization training commensurate to training provided to Department of Defense civilian employees.

C.15.12.3 The contractor shall ensure that its employees adhere to all guidance and orders issued by the theater Commander or his representative regarding possession, use, safety and accountability of weapons and ammunition.

C.15.12.4 Upon redeployment or notification by the Government, the contractor shall ensure that all Government issued weapons and ammunition are returned to Government control.

C.15.12.5 Contractors will screen employees to ensure that employees can be issued a weapon in accordance with U.S. law (e.g., no felony conviction for any reason and no misdemeanor Conviction for spousal abuse) or applicable host nation laws.

C.15.13 Vehicle and Equipment Operation

C.15.13.1 The contractor shall ensure that deployed employees possess the required civilian licenses to operate the equipment necessary to perform the contract in the theater of operations in accordance with the statement of work.

C.15.13.2 Before operating any military owned or leased equipment, the contractor employee shall provide proof of license (issued by an appropriate Governmental authority) to the Contracting Officer or his representative.

C.15.13.3 The Government, at its discretion, may train and license contractor employees to operate military owned or leased equipment.

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C.15.13.4 The contractor and its employees may be held jointly and severally liable for all damages resulting from the unsafe or negligent operation of military owned or leased equipment.

C.15.14 Passports, Visas and Customs

C.15.14.1 At the contractor employees and/or contractors expense, the contractor employees shall obtain all passports, visas, or other documents necessary to enter and/or exit any area(s) identified by the Contracting Officer.

C.15.14.2 All contractor employees shall be subject to the customs processing procedures, laws, agreements and duties of the country in which they are deploying to and the procedures, laws, and duties of the United States upon re-entry.

C.15.14.3 The Contracting Officer will determine and stipulate the allowability and allocability of payment for entry/exit duties on personal items in possession of contractor employees.

C.15.15 Reception, Staging, Onward Movement and Integration

C.15.16 Living under Field Conditions

Upon arrival in the area of operations, contractor employees will receive Reception, Staging, Onward movement and Integration, as directed by the Contracting Officer or his designated representative.

The Government shall provide to contractor employees deployed in the theater of operations the equivalent field living conditions, subsistence, emergency medical and dental care, sanitary facilities, mail delivery, laundry service, and other available support afforded to Government employees and military personnel in the theater of operations, unless otherwise specified in the contract.

C.15.17 Morale, Welfare, Recreation

The Government shall provide to contractor employees deployed in the theater of operations, morale, welfare, and recreation services commensurate with that provided to Department of Defense civilians and military personnel deployed in the theater of operations.

C.15.18 Status of Forces Agreement

C.15.18.1 After having consulted with the servicing legal office, the Contracting Officer shall advise the contractor on all applicable Status of Forces Agreements (SOFA) and other similar related agreements.

C.15.18.2 The contractor shall adhere to all relevant provisions of the applicable Status of Forces Agreements (SOFA) and other similar related agreements.

C.15.18.3 In the event the contractor must pay additional compensation above that contemplated under the contract, to retain or obtain personnel to perform in a theater of operations during a declared contingency, the contractor shall be entitled to an equitable adjustment under this contract. The contractor shall furnish proper data to the Contracting Officer to substantiate any adjustment to the contract. Failure to agree to an amount of any such adjustment shall be a dispute within the meaning of the clause entitled Disputes as contained in this contract.

C.15.18.4 To ensure continuation of essential services, the contractor shall structure pay of deployed employees such that half the compensation is in the form of a bonus for successfully completing the assigned tour. However, the bonus will not be denied because death or because of Government or opposing force actions, including Government ordered evacuation or captivity by opposing forces.

C.15.19 Tour of Duty/Hours of Work

C.15.19.1 The Contracting Officer shall provide the contractor with the anticipated duration of the deployment.

C.15.19.2 The contractor may rotate contractor employees into and out of the theater provided there is not degradation in mission results.

C.15.19.3 The Contracting Officer shall approve in advance all changes to personnel.

C.15.19.4 The Contracting Officer shall provide the contractor with the anticipated daily or weekly work schedule.

C.15.19.5 The contractor shall comply with all duty hours and tours of duty identified by the Contracting Officer or his designated representative.

C.15.19.6 The Contracting Officer, or his designated representative, may modify the work schedule to ensure the Governments ability to continue to execute its mission.

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C.15.20 On-Call Duty

C.15.20.1 The contractor shall be reasonably available to work (i.e., on-call) during other than regular hours to perform high priority tasks.

C.15.20.2 The Contracting Officer, or his designated representative, will identify the parameters of reasonable availability and all remuneration for on call duty.

C.15.21 Health and Life Insurance

The contractor shall ensure that health and life insurance benefits provided to its deploying employees are in effect in the theater of operations.

C.15.22 Next of Kin Notification

Before deployment, the contractor shall ensure that each contractor employee completes a DD Form 93, Record of Emergency Data Card, and returns the completed form to the Contracting Officer's representative or designated Government official.

C.15.23 Return Procedures

C.15.23.1 Upon notification of redeployment, the Contracting Officer shall authorize contractor employee travel from the theater of operations to the designated CONUS Replacement Center (CRC) or individual deployment site.

C.15.23.2 The contractor shall ensure that all Government-issued clothing and equipment provided to the contractor or the contractors employees are returned to Government control upon completion of the deployment.

C.15.23.3 The contractor shall provide the Contracting Officer with documentation, annotated by the receiving Government official, of all clothing and equipment returns.

C.15.24 Reporting Requirements

The contractor shall provide on a monthly basis in contractor format the costs incurred by the contractor for Field Service Support. This report shall detail, labor costs (including overtime), travel, supplies, and other costs. The contract shall notify the Contracting Officer when expenditures for this effort reach seventy (70) percent of the amount funded via electronic mail. In no event is the contractor authorized to spend more money than is obligated in Section B. The Contracting Officer at his discretion may increase the amount of money available based on the notice provided by the contractor. This report shall be provided to the Contracting Officer electronically.

C.16.1 Parts Support During OCONUS Activities

C.16.1.1 The contractor shall provide spare and repair parts as needed to support units deployed OCONUS for a period of up to one year from date of contract modification. This parts support is to support those items not available to units or the contractors Field Service Representative in the units ASL, the Governments SSP, or in the Government Supply System. The contractor agrees to provide all required parts within the following timelines:

a. Parts designated as Priority 1 within 24 hours, where ever possible, of order by either the unit or the contractors Field Service Representative, or

b. Parts designated as Priority 2 within 48 hours, where ever possible, of order by either the unit or the contractors Field Service Representative, or

c. Parts designated as Priority 3 within 72 hours, where ever possible, of order by either the unit or the contractors Field Service Representative.

The contractor shall expedite delivery of required items using commercial air freight service or military transportation as directed by the Contracting Officer or his representative.

C.16.1.2 The contractor shall provide a priced catalog or other documentation as agreed to by the Contracting Officer and shall be an attachment to the contract. The contractor and Government agree to a maximum amount to be available for this support as specified in Section B. The contract shall notify the Contracting Officer when expenditures for this effort reach seventy (70) percent of the amount funded via electronic mail. In no event is the contractor authorized to spend more money than is obligated in Section B. The Contracting Officer at his discretion may increase the amount of money available based on the notice provided by the contractor.

C.16.1.3 The contractor shall provide a report in contractor format on the amount spend by month detailing the items ordered and the

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delivery times and cost. This report shall be provided electronically to the Contracting Officer.

- C.17 Product Improvement Options.
- C.17.1 Floating DSB. The contractor shall provide Government with a proposal to develop a DSB floating bridge with projected schedule and cost estimate.
- C.17.1.1 The design of the DSB system shall be unchanged, but new equipment items are allowed to add to the current DSB system in order to build the bridge as a floating one.
- C.17.1.1.1 The Contractor shall investigate and determine the Target Performance Characteristics which include capability and design requirement for new items. The contractor shall design, manufacture and test these new items.
- C.17.1.1.2 The contractor shall use Safety, MANPRINT and all Integrated Logistics Support (ILS) elements - Design Interface, Maintenance Planning, Computer Resources Support, Manpower & Personnel, Supply Support, Support Equipment, Technical Data, Facilities, Training and Training Support, Transportation, and Packaging Handling Storage - when develop these new items.
- C.17 Product Improvement Options.
- C.17.1 Floating Dry Support Bridge (FDSB). The contractor shall provide the Government with a proposal to develop a FDSB with projected schedule and cost estimate.
- C.17.1.1 The design of the DSB system shall be unchanged, but new equipment items are allowed to add to the current DSB system in order to build the bridge as a floating one.
- C.17.1.1.1 The Contractor shall investigate and determine the Target Performance Characteristics which include capability and design requirements for new items. The Contractor shall design, manufacture and test these new items.
- C.17.1.1.2 The Contractor shall use Safety, MANPRINT and all Integrated Logistics Support (ILS) elements Design Interface, Maintenance Planning, Computer Resources Support, Manpower & Personnel, Supply Support, Support Equipment, Technical Data, Facilities, Training and Training Support, Transportation, and Packaging Handling Storage when developing these new items.
- C.17.1.2 The Contractor shall manufacture enough equipment to build a shortest DSB floating bridge, which includes the bridge and new item, for testing and test this bridge in accordance with the Trilateral Design And Test Code For Military Bridging And Gap-Crossing Equipment. The EMD DSB Launcher Vehicle shall be used for this testing.
- C.17.1.3 The proposal shall reflect the risk sharing between Contractor and Government for this effort, and shall include the go-nogo criteria for the decision maker.
- C.17.2 Based on paragraph C.17.1 above, the Contractor has submitted a projected schedule and cost estimate for the development of a DSB floating bridge. This effort shall be on a cost-plus-fixed-fee basis and broken into four stages of execution. The first stage is design, second stage is Manufacturing new equipment (the new hardware required to make the DSB float) and Performing component testing of this new equipment, third stage is Manufacturing enough equipment to build a shortest FDSB which include bridge components and new items, and the fourth stage is Testing, a full testing of the shortest but complete system.
- C.17.3 Phase 1 of the First Stage Effort--Design.
- C.17.3.1 The Contractor, acting as an independent Contractor and not as an agent of the Government, shall determine the potential capabilities and the extent of new equipment required to allow the Dry Support Bridge system to be used for the construction of a floating bridge. The following areas shall be addressed and compiled into a Report to be delivered to the Government at the completion of this phase. In conjunction with this Report, a Safety Report shall be developed to outline any potential safety issues associated with this change in use of the DSB and design of the new components.
- C.17.3.2 Overall System:
- C.17.3.2.1 Outline the launch and retrieve concept for all elements of the FSDB system.
- C.17.3.2.2 Investigate the optimum spacing between pontoons to maximize the bridge's structural capability (MLC Rating) while minimizing the number of pontoons.
- C.17.3.2.3 Determine the target maximum and minimum bank heights from which the FDSB should be able to operate.
- C.17.3.2.4 Determine the target bank slopes, both longitudinal and lateral, on which the launcher should be able to operate.
- C.17.3.2.5 Specify the target water current speeds and minimum water depths that the system should be able to be operated in during launch/retrieval and trafficking.
- C.17.3.2.6 Estimate the manpower requirements for bridge launch, retrieval and trafficking.
- C.17.3.2.7 Determine the target minimum and maximum gap achievable.
- C.17.3.2.8 Identify the methods of controlling and restraining the bridge/pontoons during launch/retrieval and trafficking.
- C.17.3.3 Bridge:
- C.17.3.3.1 Determine the maximum landing bay length required.
- C.17.3.3.2 Determine the operational requirements of the Hinge Bay to include its angle of articulation and hydraulic requirements.
- C.17.3.3.3 Outline the connection of the bridge to the floating pontoons.
- C.17.3.4 Launcher:
- C.17.3.4.1 Outline the design of the interface between the launcher carriages and the bridge modules.
- C.17.3.4.2 Determine the maximum length of bridge that the current winch is likely to be capable of launching in the floating bridge role.
- C.17.3.4.3 Outline the design of the far bank support and roller beam required during bridge construction.
- C.17.3.4.4 Determine and list any additional modifications required to the launcher for it to be used in the floating bridge role.

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C.17.3.5 Pontoon:

C.17.3.5.1 Determine the target stowage envelope for transportation and ground loading by PLS type flat-racks.

C.17.3.5.2 Outline the construction of the pontoon to include power source, drive system and control mechanism.

C.17.3.5.3 Outline the method of launch and retrieval and the concept of the pontoon flat-rack or MHE requirements.

C.17.3.5.4 Outline the interconnection of the pontoons to each other and with the bridge during construction and use.

C.17.4 At the completion of the above effort, the Contractor shall submit the reports identified in paragraph C.17.3.1. The Government will use those Reports as a basis to determine if the Governmen will proceed in the development of a DSB floating bridge.

C.18 The Contractor shall inspect the Government provided Palletized Load System (PLS) Armor Kit and an Air Conditioning Kit with supplied parts to assess their condition.

C.18.1 The Contractor shall prepare a report on the Government Furnished Equipment (GFE)'s condition to include any missing or unserviceable parts. If the Contractor does not find anything wrong with the GFE, a report is not required. The Government shall reserve the right to have the Contractor repair the condition of the GFE. If the Government desires repairing the condition of the GFE, the cost to add this effort to the contract will be negotiated.

C.18.2 The contractor shall use the instructions provided with the Armor and Air Conditioning kits for installation onto the Dry Support Bridge Engineering Manufacturing Development Launch Vehicle (DSB EMD LV).

C.18.3 The Contractor shall measure and record the axial loads of the DSB EMD LV prior to and after installation of the two kits.

C.18.4 The Contractor shall build and retrieve a 20 meter bridge to assess the performance of the DSB in operations with the two kits installed. This 20 meter bridge should be constructed from GFE presently in the Contractor's possession. This assessment shall be captured in a report back to the Government. This report shall be in the Contractor's format and contain the following information. (1) the axle weights of the PLS before and after installation of the Armor and Air Conditioning Kits, (2) a statement by the contractor as to the performance of the system as he builds and retrieves a 20 meter bridge. This report shall be delivered to Mr Anh Nguyen by Email within 10 days of completion of the build and retrieving of the Bridge. Mr Nguyen Email address is "anh.nguyen@us.army.mil". This effort shall be completed within 90 days after adding this effort to the contract. The report shall be issue 10 days after this time.

Addendum

CLIN 1001AQ PARTS FOR EMD SYSTEM AT WFEL

NSN	Item Name	WFEL P/N	WFEL Description	QTY
5420-99-127-3844	PARALLEL MODULE	G101/5575	PARALLEL MODULE	1
5315-99-707-3333	PIN,GROOVED,HEADED	G101/5645/2	JAW CONNECTION PIN	24
5340-99-993-0301	END BEAM ASSEMBLY	G202/6041/1	FIXING PIN-END BEAM	4
5420-99-371-9023	END BEAM	G303/6102/1	END BEAM ASSY	2
5420-99-551-0521	APPROACH RAMP FRAME	G507/7000	APPROACH RAMP	20
	RAMP STOWAGE INSTAL	G507/7003/1	APPROACH RAMP TRANSPORT FRAME	4

*** END OF NARRATIVE C0007 ***

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SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ ITEM MIPR	ACRN	OBLG STAT/ JOB ORD NO			INCREASE/DECREASE AMOUNT		CUMULATIVE AMOUNT
3002AA	P176K1222T	AJ	2	\$	0.00	\$	43,558.00	\$ 43,558.00
	53152831125		7ZCB04					
	A17P51251CDB							
					NET CHANGE	\$	43,558.00	

SERVICE NAME	NET CHANGE BY ACRN	ACCOUNTING CLASSIFICATION	ACCOUNTING STATION	INCREASE/DECREASE AMOUNT
Army	AJ	21 72035000071C1C09P53152825FB S20113	W56HZV	\$ 43,558.00
			NET CHANGE	\$ 43,558.00

		PRIOR AMOUNT OF AWARD		INCREASE/DECREASE AMOUNT		CUMULATIVE OBLIG AMT
NET CHANGE FOR AWARD:	\$	92,982,364.55	\$	43,558.00	\$	93,025,922.55

ACRN	EDI ACCOUNTING CLASSIFICATION	
AJ	21 070920350000 S20113 71C1C095315283112525FB	7ZCB04S20113 W56HZV